ORDER NO. SD7902-1515

Service Manual

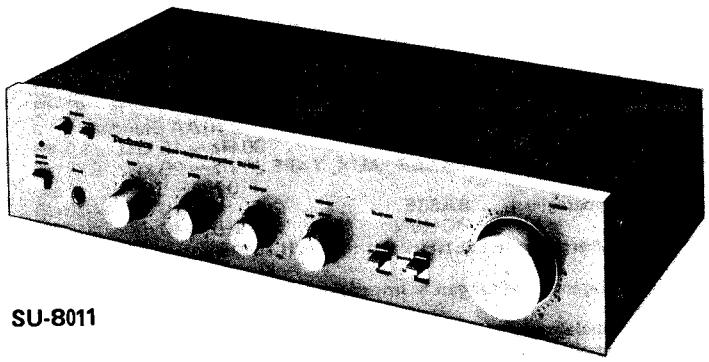
Stereo Integrated Amplifier

SU-8011

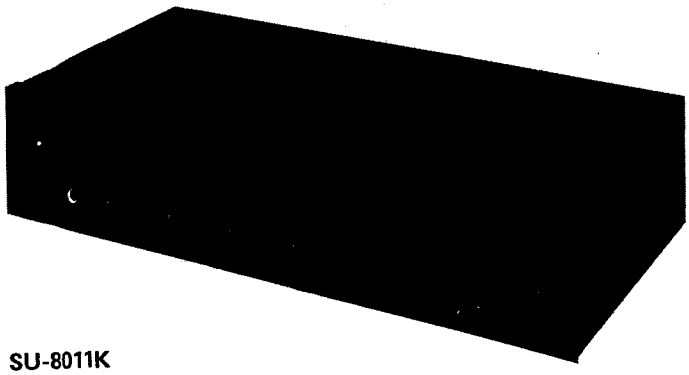
(E), (EG), (XGH), (XGF),
(EB), (XE), (X), (XA), (XAL)

SU-8011K

(E), (EG), (XGH)



SU-8011



SU-8011K

* The models SU-8011 (E, EG) and SU-8011K (E, EG) are available in Scandinavia and European only.
* The models SU-8011 (XGH) and SU-8011K (XGH) are available in Holland only.
* The model SU-8011 (XGF) is available in France only.
* The model SU-8011 (EB) is available in Belgium only.
* The model SU-8011 (XE) is available in United Kingdom only.
* The models SU-8011 (X, XA) are available in Asia, Latin America, Middle East and Africa only.
* The model SU-8011 (XAL) is available in Australia only.

TECHNICAL SPECIFICATIONS

Specifications are subject to change without notice for further improvement.

[DIN 45 500]

AMPLIFIER SECTION

20 Hz ~ 20 kHz continuous power output both channels driven	2 x 25 W (8Ω)
40 Hz ~ 16 kHz continuous power output both channels driven	2 x 25 W (4Ω), 2 x 25 W (8Ω)
1 kHz continuous power output both channels driven	2 x 27 W (4Ω), 2 x 27 W (8Ω)
Power bandwidth both channels driven, –3 dB	5 Hz ~ 50 kHz (4Ω) 5 Hz ~ 60 kHz (8Ω)
Total harmonic distortion	
rated power at 20 Hz ~ 20 kHz	0.08% (8Ω)
rated power at 40 Hz ~ 16 kHz	0.15% (4Ω), 0.08% (8Ω)
rated power at 1 kHz	0.15% (4Ω), 0.08% (8Ω)
half power at 20 Hz ~ 20 kHz	0.03% (8Ω)
half power at 1 kHz	0.03% (8Ω)
–26 dB power at 1 kHz	0.15% (4Ω)
50mW power at 1 kHz	0.2% (4Ω)
Intermodulation distortion	
rated power at 250 Hz: 8 kHz = 4:1, 4Ω	0.15%
rated power at 60 Hz: 7 kHz = 4:1, SMPTE, 8Ω	0.08%
Residual hum & noise	0.6 mV
Damping factor	15 (4Ω), 30 (8Ω)
Input sensitivity and impedance	
PHONO	2.5 mV/47 kΩ
TUNER, AUX	150 mV/27 kΩ
TAPE 1, PLAYBACK	180 mV/33 kΩ
PHONO maximum input voltage (1 kHz, RMS)	100 mV
S/N	
rated power at 4Ω PHONO	74 dB (IHF, A: 80 dB)
TUNER, AUX, TAPE	83 dB (IHF, A: 97 dB)
–26 dB power at 4Ω PHONO	62 dB
TUNER, AUX, TAPE	62 dB
50 mW power at 4Ω PHONO	62 dB
TUNER, AUX, TAPE	62 dB
Frequency response PHONO	RIAA standard curve 30 Hz ~ 15 kHz, ±1.0 dB
TUNER, AUX, TAPE	20 Hz ~ 20 kHz, ±0.8 dB 10 Hz ~ 50 kHz, –1 dB
Tone controls BASS	50 Hz, +10 dB ~ –10 dB
TREBLE	20 kHz, +10 dB ~ –10 dB
Loudness switch (volume at –30 dB)	50 Hz, +9 dB
Output voltage and impedance REC OUT	150 mV
REC/PLAY	30 mV/82 kΩ
Channel balance (250 Hz ~ 6300 Hz), AUX	±1.0 dB
Channel separation at 1 kHz, AUX	55 dB
Headphones output level and impedance	330 mV/330Ω
Load impedance MAIN or REMOTE	4 ~ 16Ω
MAIN + REMOTE	8 ~ 16Ω

GENERAL

Power consumption	300 W
Power supply (50 Hz/60 Hz)	110V/120V/220V/240V
Dimensions (W x H x D)	430 x 97 x 240 mm (16-29/32"x3-13/16"x9-7/16")
Weight	5.1 kg (11.0 lb.)

Technics

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

TECHNISCHE DATEN

Spezifikationen können infolge von Verbesserungen ohne Ankündigung geändert werden.

[DIN 45 500]

VERSTÄRKERTEIL

Dauertonleistung bei 20 Hz ~ 20 kHz	
beide Kanäle zusammen ausgesteuert	2 x 25 W (8Ω)
Dauertonleistung bei 40 Hz ~ 16 kHz	
beide Kanäle zusammen ausgesteuert	2 x 25 W (4Ω)
	2 x 25 W (8Ω)
Dauertonleistung bei 1 kHz	
beide Kanäle zusammen ausgesteuert	2 x 27 W (4Ω), 2 x 27 W (8Ω)
Leistungsbandbreite	
beide Kanäle zusammen ausgesteuert, –3 dB	
	5 Hz ~ 50 kHz (4Ω)
	5 Hz ~ 60 kHz (8Ω)
Harmonische Verzerrungen	
Nennausgangsleistung bei 20 Hz ~ 20 kHz	0,08% (8Ω)
Nennausgangsleistung bei 40 Hz ~ 16 kHz	
	0,15% (4Ω), 0,08% (8Ω)
Nennausgangsleistung bei 1 kHz	0,15% (4Ω), 0,08% (8Ω)
Halber Ausgangsleistung bei 20 Hz ~ 20 kHz	0,03% (8Ω)
Halber Ausgangsleistung bei 1 kHz	0,03% (8Ω)
–26 dB Ausgangsleistung bei 1 kHz	0,15% (4Ω)
50 mW Ausgangsleistung bei 1 kHz	0,2% (4Ω)
Intermodulationsverzerrung	
Nennausgangsleistung bei 250 Hz: 8 kHz = 4:1, 4Ω	0,15%
Nennausgangsleistung bei 60 Hz: 7 kHz = 4:1, SMPTE 8Ω	0,08%
Brummen & Rauschen	0,6 mV
Dämpfungsfaktor	15 (4Ω), 30 (8Ω)
Eingangsempfindlichkeit & Impedanz	
PHONO	2,5 mV/47 kΩ
TUNER, AUX	150 mV/27 kΩ
TAPE 1, PLAYBACK	180 mV/33 kΩ
PHONO Maximale Eingangsspannungen (1 kHz RMS)	100 mV
Fremdspannungsabstand	
Nennausgangsleistung bei 4Ω	
PHONO	74 dB (IHF, A: 80 dB)
TUNER, AUX, TAPE	83 dB (IHF, A: 97 dB)
–26 dB Ausgangsleistung bei 4Ω PHONO	62 dB
TUNER, AUX, TAPE	62 dB
50 mW Ausgangsleistung bei 4Ω PHONO	62 dB
TUNER, AUX, TAPE	62 dB
Frequenzgang PHONO	RIAA Standardkurve
	30 Hz ~ 15 kHz, ±1,0 dB
TUNER, AUX, TAPE	20 Hz ~ 20 kHz, ±0,8 dB
	10 Hz ~ 50 kHz, –1 dB
Klangregler BÄSSE	50 Hz, +10 dB ~ –10 dB
HÖHEN	20 kHz, +10 dB ~ –10 dB
Gehörgerechte Lautstärkekorrektur (Lautstärke bei –30 dB)	50 Hz, +9 dB
Ausgangsspannungen & Impedanz REC OUT	150 mV
REC/PLAY	30 mV/82 kΩ
Kanalabweichung (250 Hz ~ 6300 Hz), AUX	±1,0 dB
Kanaltrennung bei 1 kHz, AUX	55 dB
Kopfhörerpegel und Ausgangsimpedanz	330 mV/330Ω
Lautsprecher-Ausgangsimpedanz	
MAIN oder REMOTE	4 ~ 16Ω
MAIN und REMOTE	8 ~ 16Ω

ALLGEMEINE DATEN

Leistungsaufnahme	300 W
Netzspannung umschaltbar (50 Hz/60 Hz)	110V/120V/220V/240V
Abmessungen (B x H x T)	430 x 97 x 240 mm
Gewicht	5,0 kg

CARACTERISTIQUES TECHIQUES

Sujet à changement sans préaris.

[DIN 45 500]

PARTIE AMPLIFICATEUR

Puissance de sortie continue de 20 Hz ~ 20 kHz	
les deux canaux en circuit avec distorsion	2 x 25 W (8Ω)
Puissance de sortie continue de 40 Hz ~ 16 kHz	
les deux canaux en circuit avec distorsion	2 x 25 W (4Ω)
	2 x 25 W (8Ω)
Puissance de sortie continue à 1 kHz	
les deux canaux en circuit avec distorsion	2 x 27 W (4Ω)
	2 x 27 W (8Ω)
Largeur de bande de puissance	
pour l'ensemble des canaux excités, –3 dB	
	5 Hz ~ 50 kHz (4Ω)
	5 Hz ~ 60 kHz (8Ω)
Distorsion harmonique totale	
pour la puissance mesurée à 20 Hz ~ 20 kHz	0,08% (8Ω)
pour la puissance mesurée à 40 Hz ~ 16 kHz	
	0,15% (4Ω), 0,08% (8Ω)
pour la puissance mesurée à 1 kHz	
	0,15% (4Ω), 0,08% (8Ω)
pour la demi-puissance mesurée à 20 Hz ~ 20 kHz	
	0,03% (8Ω)
pour la demi-puissance mesurée à 1 kHz	0,03% (8Ω)
pour une puissance mesurée de –26 dB, 1 kHz	0,15% (4Ω)
pour une puissance mesurée de 50 mW, 1 kHz	0,2% (4Ω)
Distorsion d'intermodulation	
pour la puissance mesurée à 250 Hz: 8 kHz = 4:1, 4Ω	0,15%
pour la puissance mesurée à 60 Hz: 7 kHz = 4:1, 8Ω	0,08%
Tension résiduelle de bruit	0,6 mV
Facteur d'amortissement	15 (4Ω), 30 (8Ω)
Sensibilité & impédance d'entrée	
PHONO	2,5 mV/47 kΩ
TUNER, AUX	150 mV/27 kΩ
TAPE 1, PLAYBACK	180 mV/33 kΩ
Voltage d'entrée maximum (PHONO, 1 kHz, RMS)	100 mV
Rapport signal/bruit	
pour la puissance nominale, 4Ω	
PHONO	74 dB (IHF, A: 80 dB)
TUNER, AUX, TAPE	83 dB (IHF, A: 97 dB)
pour une sortie de –26 dB, 4Ω PHONO	62 dB
TUNER, AUX, TAPE	62 dB
pour une sortie de 50 mW, 4Ω PHONO	62 dB
TUNER, AUX, TAPE	62 dB
Réponse de fréquence	
PHONO	Courbe standard RIAA
	30 Hz ~ 15 kHz, ±1,0 dB
TUNER, AUX, TAPE	20 Hz ~ 20 kHz, ±0,8 dB
	10 Hz ~ 50 kHz, –1 dB
Réglage de la tonalité	
BASS (graves)	50 Hz, +10 dB ~ –10 dB
TREBLE (aigus)	20 kHz, +10 dB ~ –10 dB
Correction physiologique (volume à 30 dB)	50 Hz, +9 dB
Tension de sortie & impédance REC OUT	150 mV
REC/PLAY	30 mV/82 kΩ
Equilibrage de canaux (250 Hz ~ 6300 Hz), AUX	±1,0 dB
Séparation des canaux AUX 1 kHz	55 dB
Niveau du casque et impédance de sortie	330 mV/330Ω
Impédance de charge PRINCIPALE ou ELOIGNEE	4 ~ 16Ω
PRINCIPAE + ELOIGNEE	8 ~ 16Ω

GENERALITES

Consommation	300 W
Alimentation (50 Hz/60 Hz)	110V/120V/220V/240V
Dimensions (L x H x Pr)	430 x 97 x 240 mm
Poids	5,0 kg

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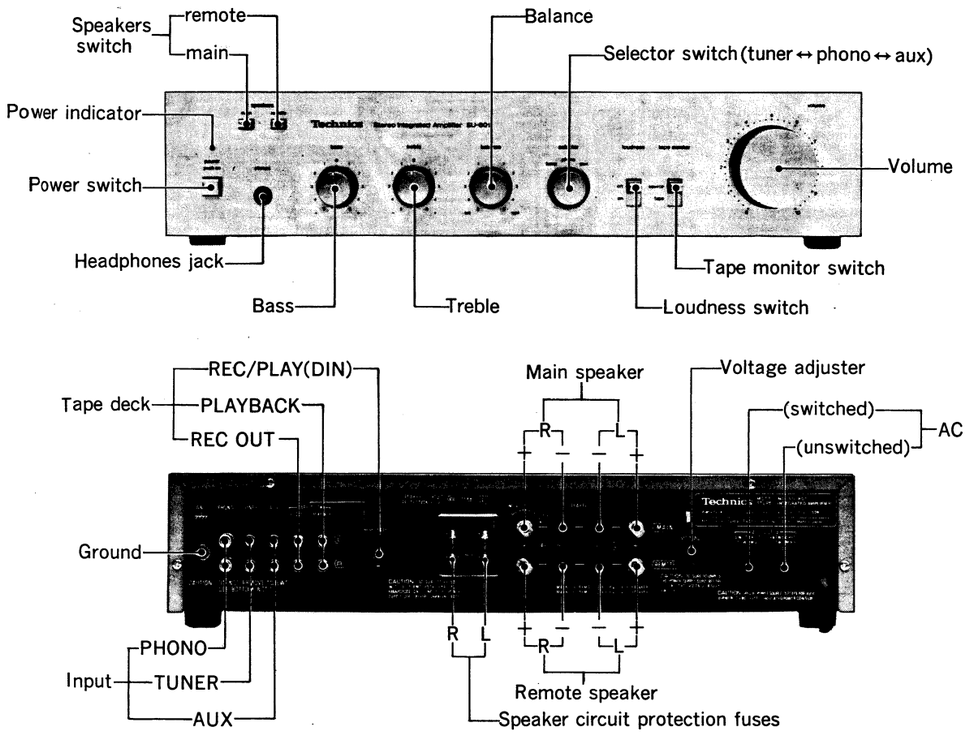
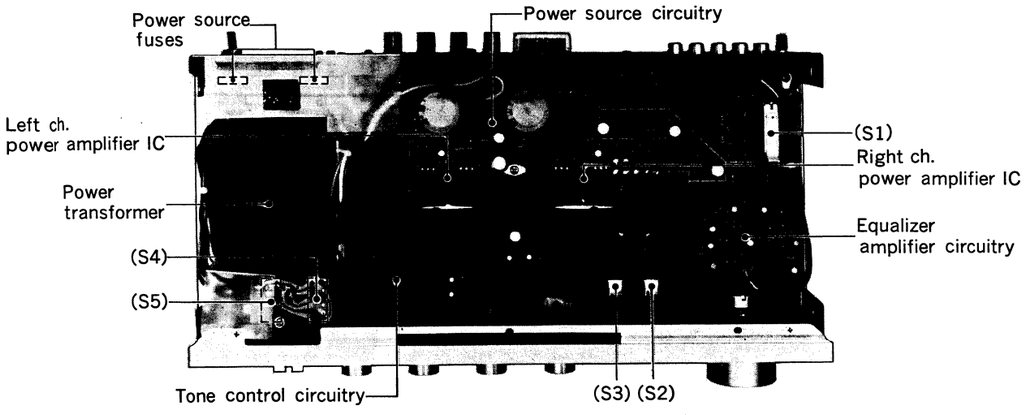
■ LOCATION OF CONTROLS



*** This photo shows only the products for (X) and (XA).**

*** The products for other destinations except (X) and (XA) are not equipped with AC outlets.**



■ NOTE

The unit is provided with the speaker circuit protection fuses at the right and left channels respectively. The fuse is to prevent the power IC from destruction, should the speaker terminals be short-circuited. Accordingly, if the unit fails to function upon completion of the speaker connections, check the speaker circuit protection fuses first of all for possible blowing.

■ HOW TO REMOVE THE CABINET, BOTTOM BOARD AND FRONT PANEL

How to remove the cabinet

1. Remove the 4 setscrews (① ~ ④ in Fig. 1) on the side and 4 setscrews (⑤ ~ ⑧ in Fig. 2) on the back of the cabinet.
2. Shift the cabinet backward and lift it upward. (Arrow Ⓐ in Fig. 1)

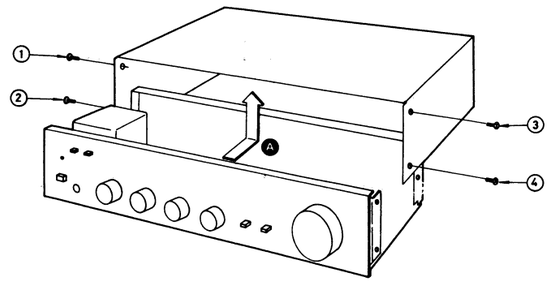


Fig. 1

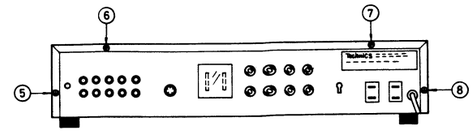


Fig. 2

How to detach the bottom board

1. Remove the 4 setscrews (⑩ ~ ⑬ in Fig. 3) used to secure bottom board and 4 setscrews (⑭ ~ ⑰ in Fig. 3) for the legs. Then the bottom board can be detached.

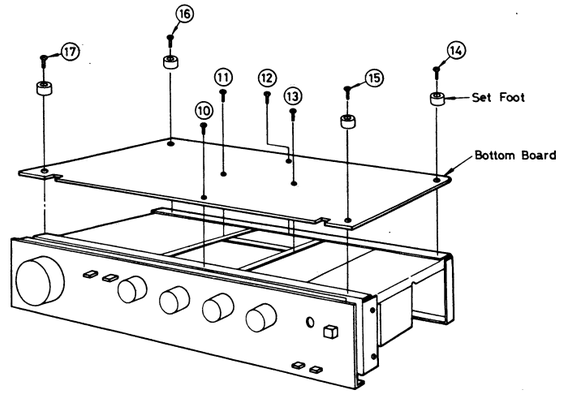


Fig. 3

How to detach the front panel

1. Remove the 4 setscrews (⑱ ~ ㉑ in Fig. 4) and then carefully pull the front panel toward you.

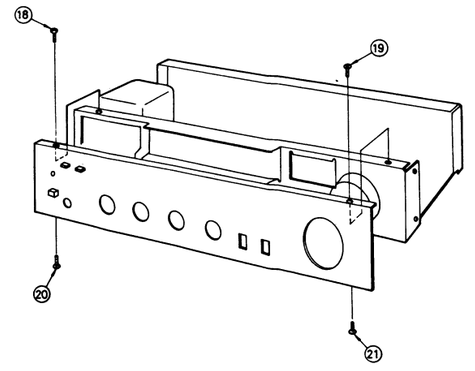
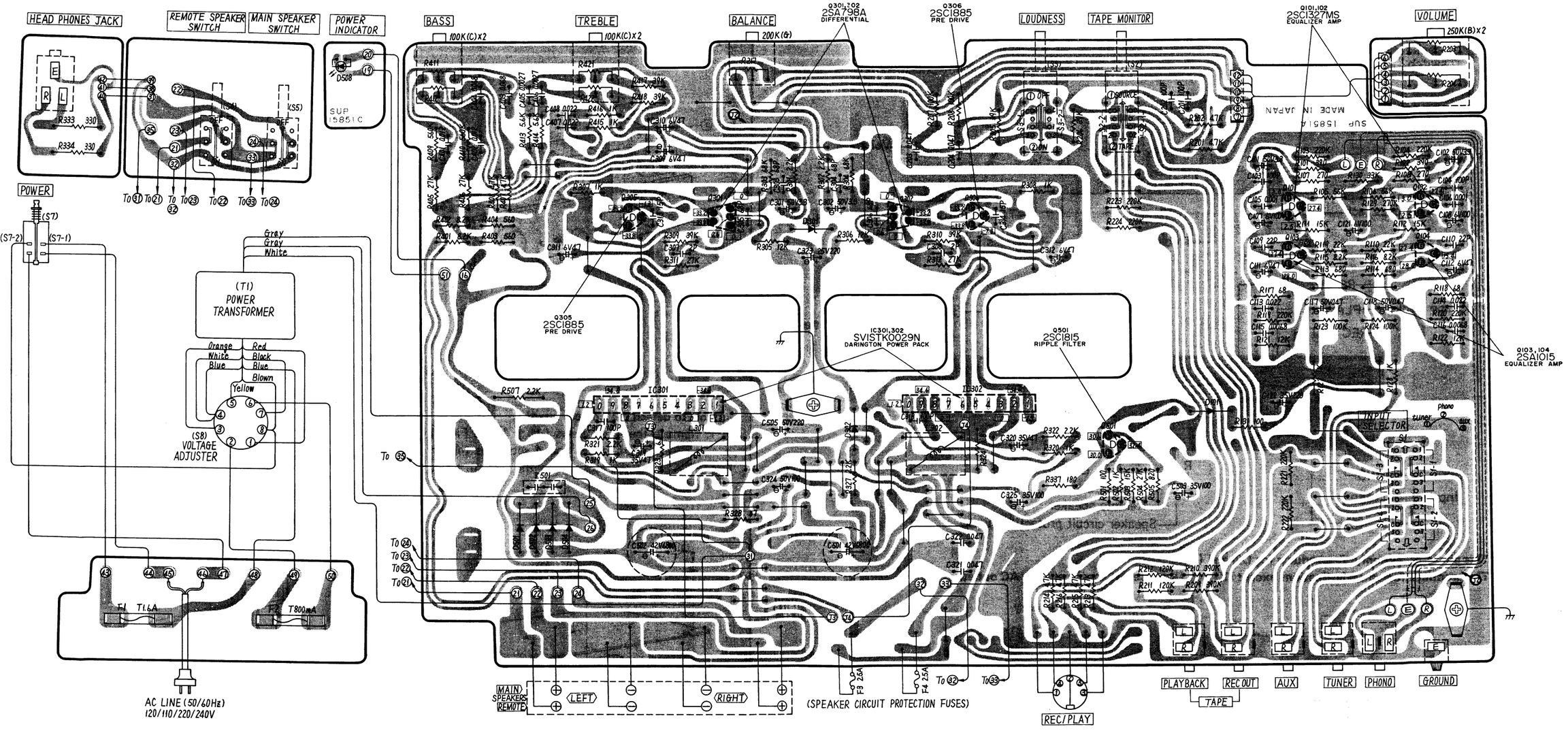


Fig. 4

Earth (Ground) Lines

■ PRINTED CIRCUIT BOARD WIRING VIEW



■ SCHEMATIC DIAGRAM

1 2 3 4 5 6 7 8 9 10

A B C D E F

Q101, 102 2SC1327MS EQUALIZER AMP

Q103, 104 2SA1015 EQUALIZER AMP

D101 MA150

Q301, 302 2SA798A DIFFERENTIAL

Q305, 306 2SC1885 PRE DRIVE

D301 SVDMZ316B

GND
(L ch)
PHONO
TUNER
AUX
REC OUT
TAPE
PLAYBACK
REC/PLAY
(R ch)
PHONO
TUNER
AUX
REC OUT
TAPE
PLAYBACK

① TUNER
② PHONO
③ AUX

S1 (SELECTOR)

S2 (TAPE MONITOR)

② TAPE
① SOURCE

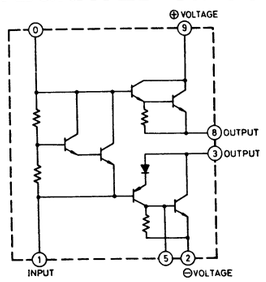
S3 (LOUDNESS)

② ON
① OFF

SUP 15851B

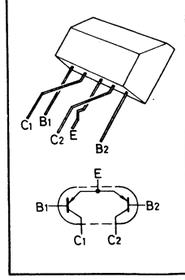
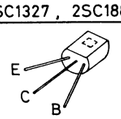
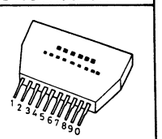
SUP 15851A

■ BLOCK DIAGRAM OF INTEGRATED CIRCUIT

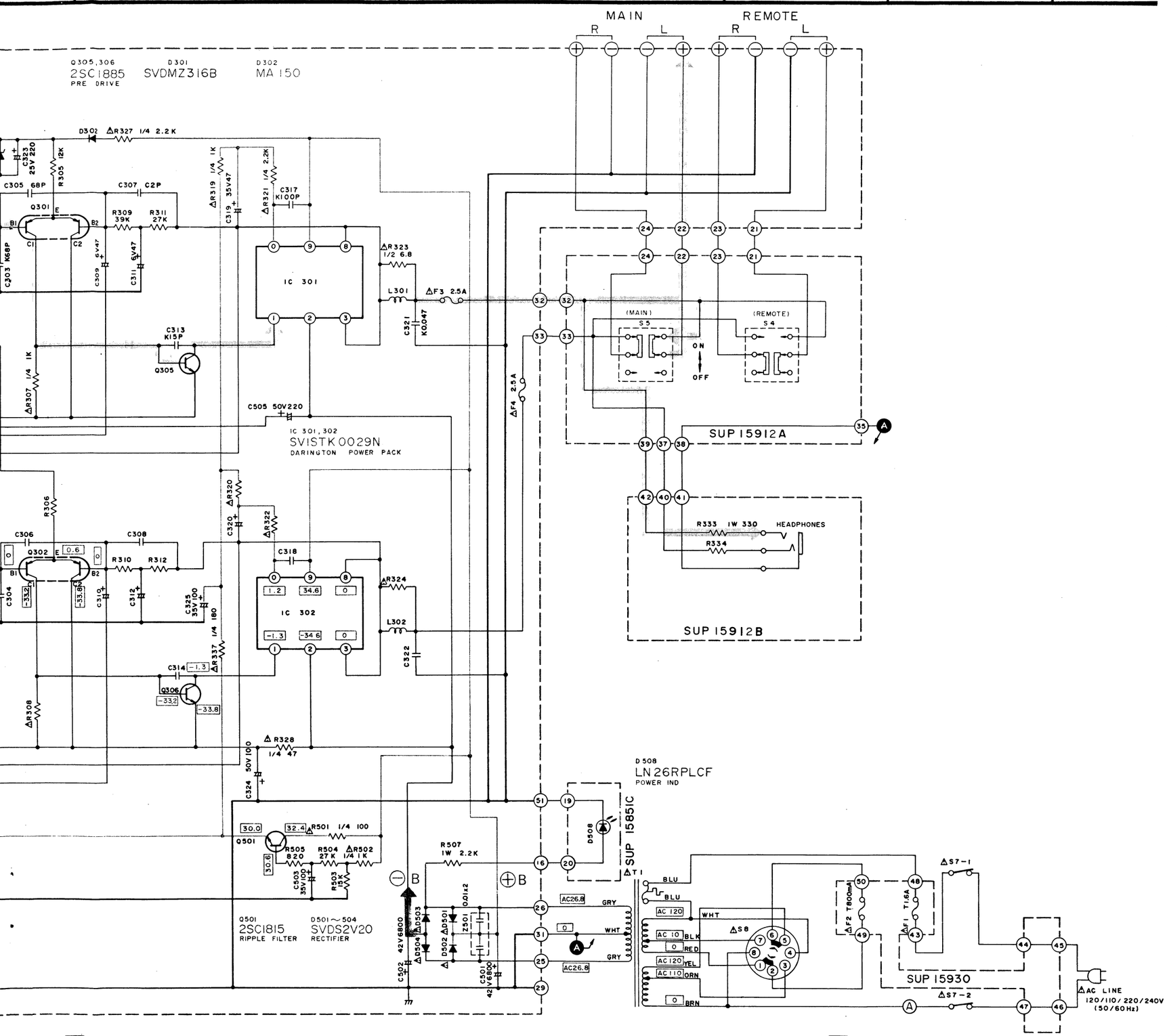


IC301, 302 (SVISTK0029N)
Power Amplifier

■ TERMINAL GUIDE OF TRANSISTOR & IC

2SA798A	2SA1015, 2SC1815 2SC1327, 2SC1885
	
	SVISTK0029N
	

10 11 12 13 14 15 16



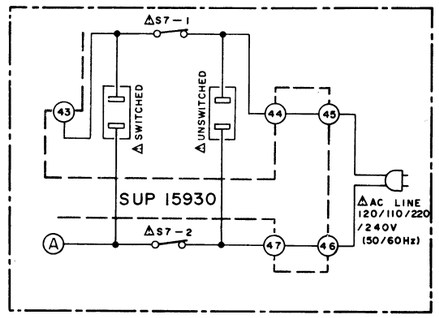
Notes:

1. **S1** : Input selector switch in "**PHONO**" position.
   ① TUNER ⟷ ② PHONO ⟷ ③ AUX
2. **S2** : Tape monitor switch in "**SOURCE**" position.
   ① SOURCE ⟷ ② TAPE
3. **S3** : Loudness switch in "**OFF**" position.
   ① OFF ⟷ ② ON
4. **S4** : Remote speaker switch in "**OFF**" position.
5. **S5** : Main speaker switch in "**ON**" position.
6. **S7-1, S7-2** : Power switch in "**ON**" position.
7. **S8** : Voltage adjuster switch in "**240V**" position.
8. Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
   ▭ Standards values
9. The **S** mark has been used for the indication of specified parts for an assurance of safety, but it has been changed to Δ mark. When replacing parts, be sure to use parts with correct numbers with reference to the circuit drawing or the repair parts list.

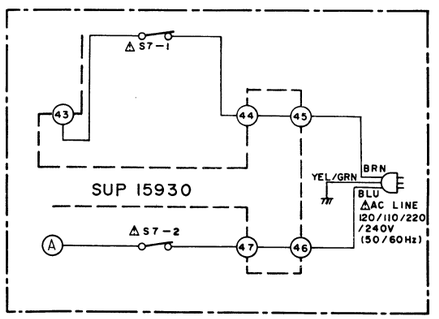
   S ⟶ Δ (new mark)

10. To represent transistors, Q is used instead of TR (Ex. TR1 ⟶ Q1)
11. Phono signal lines of left channel.
12. This schematic diagram may be modified at any time with the development of new technology.

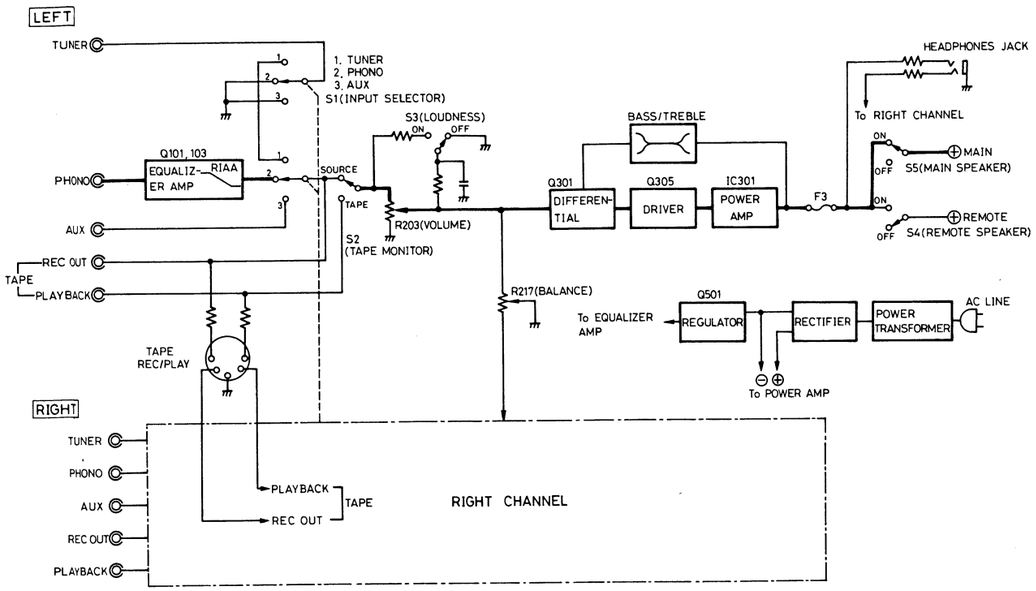
• Power supply circuitry of product for [X] and [XA] only.



• Power supply circuitry of product for [XAL] only.

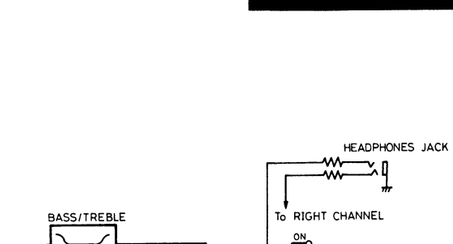


■ BLOCK DIAGRAM



■ BEFORE STARTING THE REPAIRING

Before adjusting or repairing, be sure to short-circuit opposite poles of the 6800μF capacitors (C501, 502) with a resistor approximately of "50Ω, 5W" for discharging the charged voltage.
Short-circuiting with a screw driver and the like is not only dangerous, but may destroy transistors and diodes, and should therefore be avoided.



■ HOW TO REMOVE THE POWER IC

1. Remove the solder of power IC.
2. Remove the 2 setscrews (①, ② in Fig. 5) used to secure the power IC on the heat sink, and then pull the power IC in the direction of arrow Ⓐ.
3. When mounting the power IC, apply silicone compound (or equivalent heat diffuser) to the back of power IC, and then follow the steps 1 ~ 2 reversely.

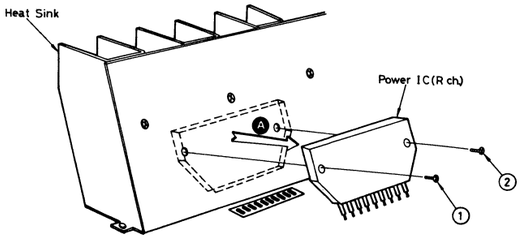


Fig. 5

■ REPLACEMENT PARTS LIST ..... Cabinet and Chassis Parts

Notes: 1. Part numbers are indicated on most mechanical parts.
Please use this part number for parts order.
2. ⚠ indicates that only parts specified by the manufacturer be used for safety.

Ref. No.		Part No.	Part Name & Description
CABINET and CHASSIS PARTS			
1		SBN813	Knob, Volume Control
2		SBN815	Knob, Bass, Treble, Balance & Input Selector Switch
3		SGWU8011D	Panel, Front Ass'y (Silver)
4		SBD21	Knob, Loudness, Tape Monitor Switch
5		SHR5037	Spacer, Loudness, Tape Monitor Switch Knob
6		SHS6101-1	Fiber, Front Panel
7		SUS123-1	Spring, Push Switch
8		SBC211	Button, Speaker Switch
9		SHR9491	Rubber Cushion, Indicator
10		SMX267	Cover, Power Switch
11		SUS145	Spring, Power Switch
12		SBC209	Button, Power Switch
14		SNE59-1	Washer, Headphones Jack M'tg
15		XCJ6P21B-A	Headphones Jack
16		SHR401-1	Latch, Heat Sink M'tg
17		ESA338	Remote Switch, Input Selector
18		SJF3025-3	Terminal, Input
19		SJF8013-1	Terminal, Speakers
20 [E]		SGP1750-1D	Rear Panel
20 [XE]		SGP1750-1B	Rear Panel
20 [XGH, XGF, EB, EG]		SGPU8011D	Rear Panel, SGP1750-1D with Name Plate (SGT20230)
20 [X, XA]		SGP1750-2A	Rear Panel
20 [XAL]		SGPU8011L	Rear Panel, SGP1750-3D with Name Plate (SGT19330)
21		SUV337	Cover, Speaker Terminal
22		SMX269	Cover, Power Fuses
23 [E, XGH, XGF, EB, EG]	⚠	RJA23ZC	AC Cord, with Plug
23 [XE]	⚠	RJA45ZC	AC Cord
23 [X, XA]	⚠	SJA111	AC Cord, with Plug
23 [XAL]	⚠	QFC1207M	AC Cord, with Plug
24		SHR127	Bushing, AC Cord
24 [XE] only		SHR129	Bushing, AC Cord
24 [XAL] only		SHR131	Bushing, AC Cord
25		SKA10671	Cabinet (Silver)
26		SYU187-2	Bottom Board
27		SKL225	Foot, Set
28 [X, XA] only	⚠	SJSA66-1	Socket, AC Outlet
SCREWS and WASHERS			
㊾		**XTS3+8B**	Screw, Front Panel M'tg
㊿		XNSS12	Nut, Headphones Jack M'tg
(51)		**XTN3+8B**	Screw, Speaker Selector Switch Printed Circuit Board M'tg
(52)		**XWC3B**	Washer, Speaker Selector Switch Printed Circuit Board Screw
(53)		**XTB3+8BFZ**	Screw, Terminals, Fuse Cover and Power Fuses Printed Circuit Board M'tg
(54)		**XTB3+8BFZ**	Screw, Rear Panel M'tg
(55)		**XWC3B**	Washer, Rear Panel Screw
(56)		XSN3+8BFZ	Screw, Voltage Adjuster Switch M'tg
(57)		**XWA3BFZ**	Washer, Voltage Adjuster Switch Screw
(58)		XTB4+8FFN	Screw, Cabinet M'tg
(59)		**XTB3+8BFN**	Screw, Cabinet M'tg
(60)		**XTN3+8B**	Screw, Bottom Board M'tg
(61)		**XWG3**	Washer, Bottom Board Screw
(62)		**XTB3+10BFZ**	Screw, Set Feet M'tg
(63)		**XNS8**	Nut, Volume, Selector, Balance, Treble & Bass M'tg
(64)		**XWV8**	Washer, Volume, Selector, Balance, Treble & Bass Nut
(65)		**XTB3+8BFZ**	Screw, Front Panel M'tg

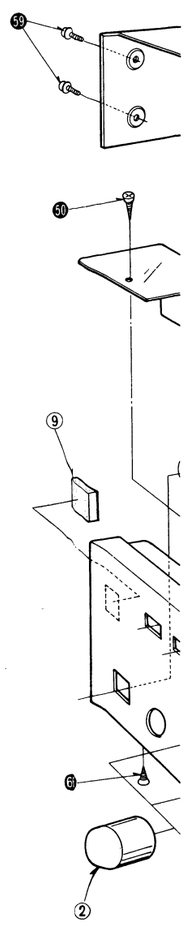
■ REPLACEMENT PARTS LIST ..... Electric Parts

Notes: 1. Part numbers are indicated on most mechanical parts.
Please use this part number for parts order.
2. ⚠ indicates that only parts specified by this manufacturer be used for safety.

Ref. No.		Part No.	Part Name & Description
INTEGRATED CIRCUITS			
IC301, 302		SVISTK0029N	IC, Darington Power Pack
TRANSISTORS			
Q101, 102		**2SC1328-T**	Transistor, Equalizer Amplifier
Q103, 104		2SA1015L-O	Transistor, Equalizer Amplifier (Use in ranks Y or O)
Q301, 302		**2SA798A-G2**	Transistor, Differential Amplifier
Q305, 306		2SC1885-R	Transistor, Pre Drive (Use in ranks Q, R or S)
Q501		2SC1815L-B	Transistor, Ripple Filter (Use in ranks B or G)
DIODES			
D101, 302		MA150	Diode, Bias
D301		SVDMZ316B	Diode, Zener 16V
D501, 502, 503, 504	⚠	SVDS2V20	Rectifier
D508		LN26RPL	Diode, Power Indicator
COILS and TRANSFORMER			
L301, 302		SLQY15G-3P	Coil, Choke
T1	⚠	SLT5M89	Transformer, Power
COMPONENT COMBINATION			
Z501		EXRFS203ZS	Component Combination, 0.01μF (X2)
FUSES			
F1	⚠	XBA2C16TR0	Fuse, T1.6A (250V) P.T. Primary
F2	⚠	XBA2C08TR0	Fuse, T800mA (250V) P.T. Primary
F3, 4	⚠	XBA2C25SS0	Fuse, 2.5A (250V) Speaker Circuit

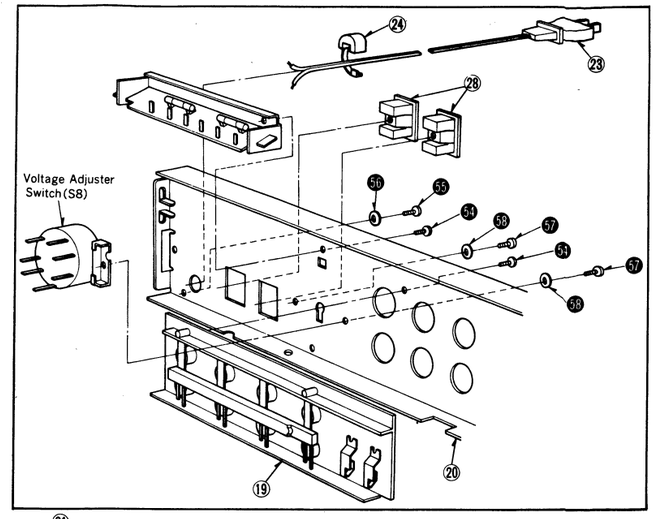
Ref. No.		Part No.	Part Name & Description
SWITCHES			
S1		ESA2691	Switch, Input Selector
S2, 3		SSL121	Switch, Tape Monitor & Loudness
S4, 5		SSH263	Switch, Speakers Selector
S7	⚠	ESB70133	Switch, Power
S8	⚠	ESE37200	Switch, Voltage Adjuster
VARIABLE RESISTORS			
R203, 204		EWF6LA031BF5	Volume Control, 250kΩ (B)
R217		EVHFDA505G25	Balance Control, 200kΩ (G)
R411, 412, 421, 422		EWKGSA091C15	Bass & Treble Control, 100kΩ (C)
RESISTORS			
R101, 102		**ERD25TJ391**	Carbon, 390Ω, 1/4W, ± 5%
R103, 104		**ERD25TJ224**	Carbon, 220kΩ, 1/4W, ± 5%
R105, 106		**ERD25TJ563**	Carbon, 56kΩ, 1/4W, ± 5%
R107, 108		**ERD25TJ271**	Carbon, 270Ω, 1/4W, ± 5%
R109, 110		**ERD25TJ223**	Carbon, 22kΩ, 1/4W, ± 5%
R111, 112		**ERD25TJ153**	Carbon, 15kΩ, 1/4W, ± 5%
R113, 114		**ERD25TJ681**	Carbon, 680Ω, 1/4W, ± 5%
R115, 116		**ERD25TJ822**	Carbon, 8.2kΩ, 1/4W, ± 5%
R117, 118		**ERD25TJ680**	Carbon, 68Ω, 1/4W, ± 5%
R119, 120		**ERD25TJ224**	Carbon, 220kΩ, 1/4W, ± 5%
R121, 122		**ERD25TJ123**	Carbon, 12kΩ, 1/4W, ± 5%
R123, 124		**ERD25TJ104**	Carbon, 100kΩ, 1/4W, ± 5%
R127, 128		**ERD25TJ102**	Carbon, 1kΩ, 1/4W, ± 5%
R129		**ERD25TJ274**	Carbon, 270kΩ, 1/4W, ± 5%
R130		**ERD25TJ333**	Carbon, 33kΩ, 1/4W, ± 5%
R131	⚠	ERD25FJ101	Carbon, 100Ω, 1/4W, ± 5%
R201, 202		**ERD25TJ472**	Carbon, 4.7kΩ, 1/4W, ± 5%
R205, 206		**ERD25TJ393**	Carbon, 39kΩ, 1/4W, ± 5%
R207, 208		**ERD25TJ104**	Carbon, 100kΩ, 1/4W, ± 5%
R209, 210		**ERD25TJ394**	Carbon, 390kΩ, 1/4W, ± 5%
R211, 212		**ERD25TJ124**	Carbon, 120kΩ, 1/4W, ± 5%

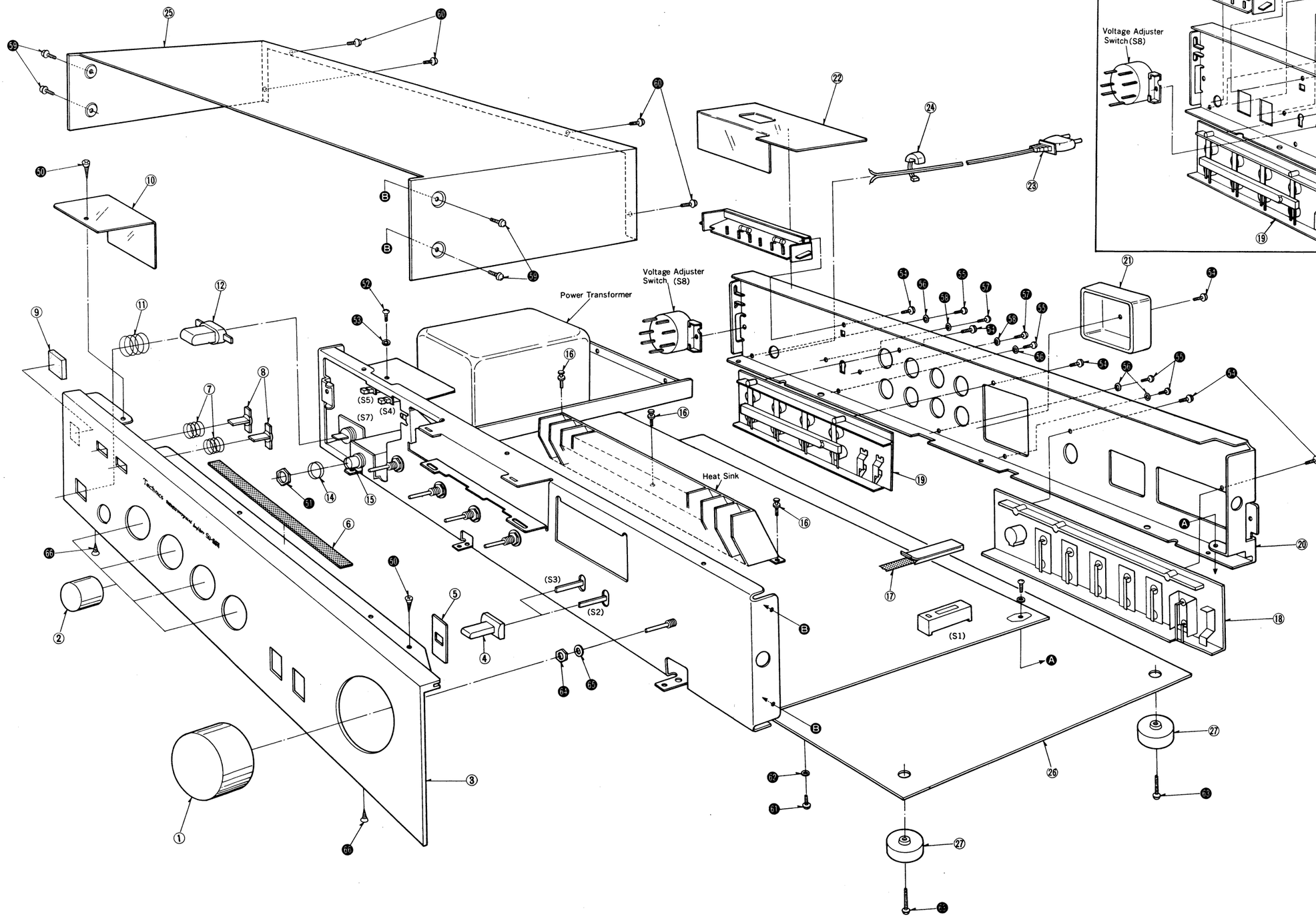
■ EXPLODE



■ EXPLODED VIEWS

● Available in [X] and [XA] only





& Description
tor
tor & Loudness
elector
juster
50kΩ (B)
00kΩ (G)
rol, 100kΩ (C)

Ω,	1/4W,	±	5%
kΩ,	1/4W,	±	5%
Ω,	1/4W,	±	5%
Ω,	1/4W,	±	5%
Ω,	1/4W,	±	5%
Ω,	1/4W,	±	5%
kΩ,	1/4W,	±	5%
, *	1/4W,	±	5%
kΩ,	1/4W,	±	5%
Ω,	1/4W,	±	5%
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Ω,	1/4W,	±	5%
kΩ,	1/4W,	±	5%
Ω,	1/4W,	±	5%
kΩ,	1/4W,	±	5%
kΩ,	1/4W,	±	5%
kΩ,	1/4W,	±	5%

Ref. No.		Part No.	Part Name & Description
R213, 214		**ERD25TJ472**	Carbon, 4.7kΩ, 1/4W, ± 5%
R215, 216		**ERD25TJ472**	Carbon, 4.7kΩ, 1/4W, ± 5%
R221, 222		**ERD25TJ224**	Carbon, 220kΩ, 1/4W, ± 5%
R223, 224		**ERD25TJ224**	Carbon, 220kΩ, 1/4W, ± 5%
R301, 302		**ERD25TJ222**	Carbon, 2.2kΩ, 1/4W, ± 5%
R303, 304		**ERD25TJ683**	Carbon, 68kΩ, 1/4W, ± 5%
R305, 306		**ERD25TJ123**	Carbon, 12kΩ, 1/4W, ± 5%
R307, 308	⚠	ERD25FJ102	Carbon, 1kΩ, 1/4W, ± 5%
R309, 310		**ERD25TJ393**	Carbon, 39kΩ, 1/4W, ± 5%
R311, 312		**ERD25TJ273**	Carbon, 27kΩ, 1/4W, ± 5%
R319, 320	⚠	ERD25FJ102	Carbon, 1kΩ, 1/4W, ± 5%
R321, 322	⚠	ERD25FJ222	Carbon, 2.2kΩ, 1/4W, ± 5%
R323, 324	⚠	ERD50FJ6R8	Carbon, 6.8Ω, 1/2W, ± 5%
R327	⚠	ERD25FJ222	Carbon, 2.2kΩ, 1/4W, ± 5%
R328	⚠	ERD25FJ470	Carbon, 47Ω, 1/4W, ± 5%
R333, 334		**ERG1ANJ331**	Metal Oxide, 330Ω, 1W, ± 5%
R337	⚠	ERD25FJ181	Carbon, 180Ω, 1/4W, ± 5%
R401, 402		**ERD25TJ822**	Carbon, 8.2kΩ, 1/4W, ± 5%
R403, 404		**ERD25TJ561**	Carbon, 560Ω, 1/4W, ± 5%
R405, 406		**ERD25TJ273**	Carbon, 27kΩ, 1/4W, ± 5%
R407, 408		**ERD25TJ472**	Carbon, 4.7kΩ, 1/4W, ± 5%
R409, 410		**ERD25TJ564**	Carbon, 560kΩ, 1/4W, ± 5%
R413, 414		**ERD25TJ562**	Carbon, 5.6kΩ, 1/4W, ± 5%
R415, 416		**ERD25TJ102**	Carbon, 1kΩ, 1/4W, ± 5%
R417, 418		**ERD25TJ393**	Carbon, 39kΩ, 1/4W, ± 5%
R501	⚠	ERD25FJ101	Carbon, 100Ω, 1/4W, ± 5%
R502	⚠	ERD25FJ102	Carbon, 1kΩ, 1/4W, ± 5%
R503		**ERD25TJ153**	Carbon, 15kΩ, 1/4W, ± 5%
R504		**ERD25TJ273**	Carbon, 27kΩ, 1/4W, ± 5%
R505		**ERD25TJ821**	Carbon, 820Ω, 1/4W, ± 5%
R507		**ERG1ANJ222**	Metal Oxide, 2.2kΩ, 1W, ± 5%
CAPACITORS			
C101, 102		**ECEA50M3R3R**	Electrolytic, 3.3μF, 50V
C103, 104		ECCD1H101K	Ceramic, 100pF, 50V, ±10%
C105, 106		ECKD1H102MD	Ceramic, 0.001μF, 50V, ±20%
C107, 108		**ECEA1AS101**	Electrolytic, 100μF, 10V
C109, 110		ECCD1H220K	Ceramic, 22pF, 50V, ±10%
C111, 112		**ECEA1AS470**	Electrolytic, 47μF, 10V
C113, 114		ECQM1H223KZ	Polyester, 0.022μF, 50V, ±10%
C115, 116		ECQM1H682KZ	Polyester, 0.0068μF, 50V, ±10%
C117, 118		**ECEA50MR47**	Electrolytic, 0.47μF, 50V
C121		**ECEA1AS101**	Electrolytic, 100μF, 10V

Ref. No.		Part No.	Part Name & Description
C122		**ECEA1VS221**	Electrolytic, 220μF, 35V
C201, 202		ECCD1H101K	Ceramic, 100pF, 50V, ±10%
C203, 204		ECQM1H473KZ	Polyester, 0.047μF, 50V, ±10%
C301, 302		**ECEA50Z3R3**	Electrolytic, 3.3μF, 50V
C303, 304		ECCD1H680K	Ceramic, 68pF, 50V, ±10%
C305, 306		ECCD1H680K	Ceramic, 68pF, 50V, ±10%
C307, 308		ECCD1H020C	Ceramic, 2pF, 50V, ±0.25pF
C309, 310		**ECEA1AS470**	Electrolytic, 47μF, 10V
C311, 312		**ECEA1AS470**	Electrolytic, 47μF, 10V
C313, 314		ECCD2H150K	Ceramic, 15pF, 500V, ±10%
C317, 318		ECCD2H101K	Ceramic, 100pF, 500V, ±10%
C319, 320		**ECEA1HS470**	Electrolytic, 47μF, 50V
C321, 322		ECQM1H473KZ	Polyester, 0.047μF, 50V, ±10%
C323		**ECEA1ES221**	Electrolytic, 220μF, 25V
C324		**ECEA1HS101**	Electrolytic, 100μF, 50V
C325		**ECEA1VS101**	Electrolytic, 100μF, 35V
C401, 402		ECQM1H123KZ	Polyester, 0.012μF, 50V, ±10%
C403, 404		ECQM1H683KZ	Polyester, 0.068μF, 50V, ±10%
C405, 406		ECQM1H272KZ	Polyester, 0.0027μF, 50V, ±10%
C407, 408		ECQM1H223KZ	Polyester, 0.022μF, 50V, ±10%
C501, 502		ECET42R682S	Electrolytic, 6800μF, 42V
C503		**ECEA1VS101**	Electrolytic, 100μF, 35V
C505		**ECEA1HS221**	Electrolytic, 220μF, 50V
ACCESSORIES			
A1	⚠	XBA2C25SS0	Fuse, 2.5A (250V) Speaker Circuit
A2 [X, XA] only	⚠	SJP5213-1	Plug Adapter, AC Power
A3 [X, XA] only	⚠	SJP5215	Plug Adapter, AC Power
PACKING PARTS			
P1		SPP501	Polyethylene Bag
P2		SPS2177	Pad, Left Side
P2 [XAL] only		SPS2177-1	Pad, Left Side
P3		SPS2179	Pad, Right Side
P3 [XAL] only		SPS2179-1	Pad, Right Side
P4 [E]		SPG1931	Carton Box
P4 [XE, X, XA XGH, EB, EG]		SPG1933	Carton Box
P4 [XAL]		SPG1935	Carton Box
P4 [XGF]		SPG1937	Carton Box
P5 [E, XGH, XGF, EB, EG]		SQF10139	Instructions Book, Printed Matter
P5 [XE, X, XA, XAL]		SQF10141	Instructions Book, Printed Matter

Notes: (E) and (EG) are available in Scandinavia and European only. (XE) is available in United Kingdom only.
(XGH) is available in Holland only. (X) and (XA) are available in Asia, Latin America, Middle East and Africa only.
(XGF) is available in France only. (XAL) is available in Australia only.
(EB) is available in Belgium only.

■ CHANGE OF PARTS LIST

SU-8011K

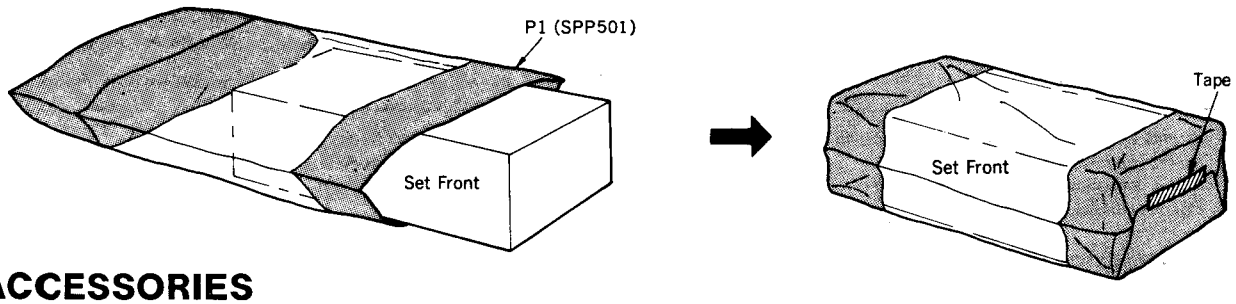
(E), (EG), (XGH)

Note: This parts list included only the change of the model SU-8011 parts list.

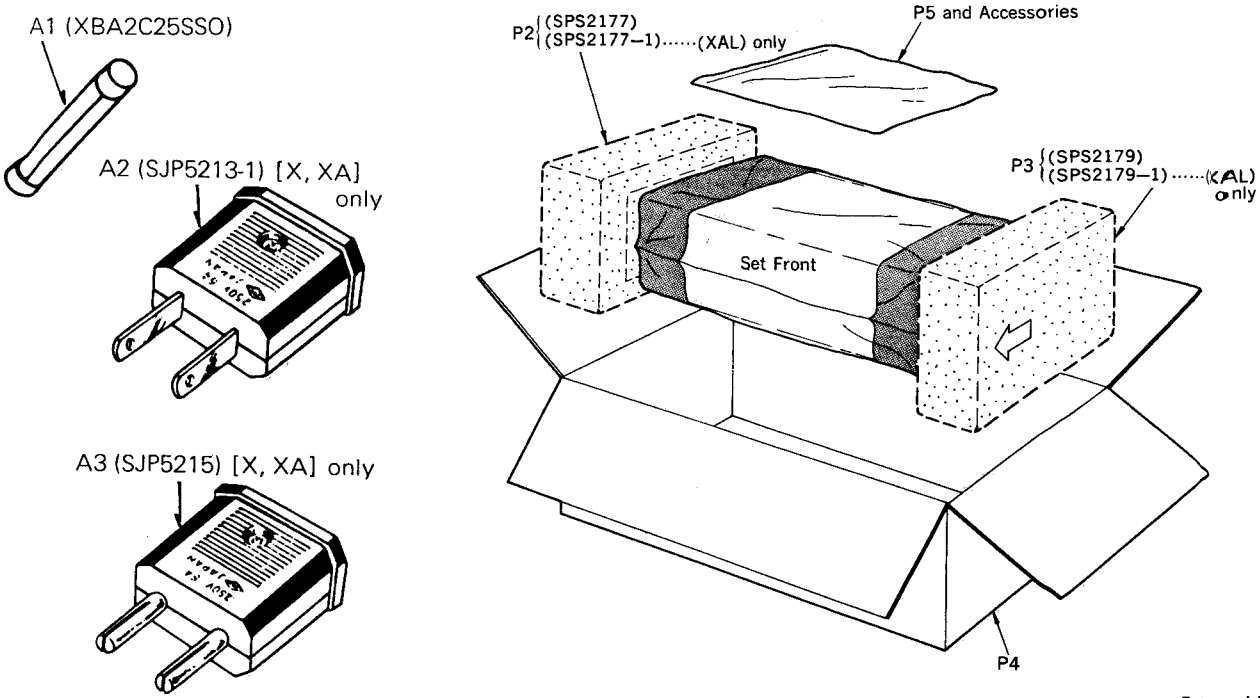
Ref. No.	Change of Part No. SU-8011 → SU-8011K		Part Name & Description
CABINET and CHASSIS PARTS			
1	SBN813	SBN833	Knob, Volume Control
2	SBN815	SBN835	Knob, Bass, Treble, Balance & Input Selector
3	SGWU8011D	SGWU8011KD	Panel, Front Ass'y (Black)
4	SBD21	SBD21-1	Knob, Loudness, Tape Monitor Switch
5	SHR5037	SHR5037-1	Spacer, Loudness, Tape Monitor Switch Knob
8	SBC211	SBC211-1	Button, Speaker Switch
12	SBC209	SBC209-1	Button, Power Switch
20	SGP1750-1D [E]	SGP1750-1C [E]	Rear Panel
	SGPU8011D [XGH, XGF, EB, EG]		
	SGP1750-2A [X, XA]	SGPU8011KK [EG, XGH]	Rear Panel, SGP1750-1C with Name Plate (SGT20130)
	SGPU8011L [XAL]		
	SGP1750-1B [XE]		

Ref. No.	Change of Part No. SU-8011 → SU-8011K		Part Name & Description
23	RJA23ZC [E, XGH, XGF, EB, EG]	RJA23ZC	AC Cord, with Plug
	RJA45ZC [XE]		
	SJA111 [X, XA]		
	QFC1207M [XAL]		
24	SHR127	SHR127	Bushing, AC Cord
	SHR129 [XE] only		
	SHR131 [XAL] only		
25	SKA10671	SKA10673	Cabinet (Black)
	SCREWS and WASHERS		
59	XTB4+8FFN	XTB4+8FFZ	Screw, Cabinet M'tg
60	**XTB3+8BFN**	**XTB3+8BFZ**	Screw, Cabinet M'tg
	PACKING PARTS		
P2	SPS2177	SPS2177	Pad, Left Side
	SPS2177-1 [XAL] only		
P3	SPS2179	SPS2179	Pad, Right Side
	SPS2179-1 [XAL] only		
P4	SPG1931 [E]	SPG2057	Carton Box
	SPG1933 [XE, X, XA XGH, EB, EG]		
	SPG1935 [XAL]		
	SPG1937 [XGF]		
P5	SQF10139 [E, XGH, XGF, EB, EG]	SQF10139	Instructions Book, Printed Matter
	SQF10141 [XE, X, XA, XAL]		

■ PACKINGS



■ ACCESSORIES



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